

**REMARKS**

In the above-mentioned Office Action, all of the pending claims, claims 1-20, were rejected. Claims 1-4, 11-17, and 20 were rejected under Section 103(a) over the combination of Sunwoo and Powell. And, claims 5-10 and 18-19 were rejected under Section 103(a) over the combination of Sunwoo, Powell, and Tateishi. Additionally, objection was made to claims 16-18 for the recitations of informalities on the second lines of the respective claims.

Responsive to the rejection of the claims, the claims have been amended in manners believed to distinguish more clearly the invention of the present application over the cited combinations of references used against the claims.

With respect to exemplary claim 1, the claim has been amended now to recite that the indications of the receive signal to which the non-desired component indicia detector is coupled to receive contains both a desired component and, potentially, a non-desired component. And, the detector is further amended now to recite that a detection signal is formed thereat that is indicative of the non-desired component, free of indications of the desired component. Independent claims 14 and 20 have been analogously amended.

Support for the amendments can be found, for instance, on page 12, lines 13-14.

Sunwoo fails to disclose such structure or method, recited as now amended. And, in particular, Sunwoo fails to disclose a non-desired component indicia detector that forms a detection signal indicative of the non-desired component, free of indications of the desired component.

Review of the cited portion of Sunwoo indicates differing structure. With respect to the cited portion of the reference, Figure 1 and its accompanying waveforms shown in Figures 3(a)-(d), the signal  $m(k)$  formed by the matched filter and applied both to the sampler and to the power calculation circuit (and, hence, also to the zero detection circuit) has to contain the same components. If the signal  $m(k)$  includes both a desired component portion and a non-desired component portion, the signal formed by the zero detection circuit must also include both components. No mechanism is provided in the timing recovery path to remove the desired component portion from  $m(k)$ . While a filter 13 is shown to form part of the timing recovery path, the filter does not operate to pass a non-desired component portion and filter a desired component.

Powell was cited for showing demodulating prior to zero-crossing detection, and Tateishi was cited for showing a digitizer. But, neither of these additional references show an indicia detector and a signal sampler, or corresponding method, as now recited. Accordingly, no combination of these additional references with Sunwoo can be made to form the invention of the present application, as now recited.

As the dependent claims include all of the limitations of their respective parent claims, these claims are believed to be patentably distinguishable over the cited combinations of references for the same reasons as those given with respect to their parent claims.

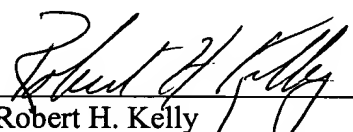
Amendments made to claims 16-19 are believed to overcome the objections to the informalities noted by the Examiner to claims 16-18.

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Accordingly, independent claims 1, 14, and 20, as now amended, together with the dependent claims dependent thereon are believed to be patentably distinguishable over the cited combinations of references. Accordingly, reexamination and reconsideration for allowance of these claims is respectfully requested. Such early action is earnestly solicited.

Respectfully submitted,

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Robert H. Kelly  
Registration No. 33,922

SCHEEF & STONE, L.L.P.  
5956 Sherry Lane  
Suite 1400  
Dallas, Texas 75225  
Tel: (214) 706-4201  
Fax: (214) 706-4242